

SEQUENCE LISTING

<110> Adamou, John
Choi, Gil

<120> Streptococcus Pneumoniae Proteins and Vaccines

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<150> US/09/590,991

<151> 2000-06-09

<150> US/60/138,453

<151> 1999-06-10

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<170> PatentIn Ver. 2.0

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Forward primer
for PCR amplification of Sp128 genomic sequences

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<223> Description of Artificial Sequence: Reverse primer
for PCR amplification of Sp128 genomic sequence

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for PCR amplification of Sp130 genomic sequence

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27

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 <213> Streptococcus pneumoniae

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 cctgtgatag acaataacac tagcaatgaa gaagcaaaaa tcaaagaaga aaattccaat 240
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 <211> 664
 <212> PRT
 <213> Streptococcus pneumoniae

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35 40 45
Ala Val Ile Lys Glu Lys Glu Val Val Ser Lys Asn Pro Val Ile Asp
50 55 60
Asn Asn Thr Ser Asn Glu Glu Ala Lys Ile Lys Glu Glu Asn Ser Asn
65 70 75 80
Lys Ser Gln Gly Asp Tyr Thr Asp Ser Phe Val Asn Lys Asn Thr Glu
85 90 95
Asn Pro Lys Lys Glu Asp Lys Val Val Tyr Ile Ala Glu Phe Lys Asp
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115 120 125
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Ser Ser Val Glu Arg Ala Gln Lys Val Gln Pro Met Met Asn His Ala
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Asp Tyr Phe Asp Pro His Gly Met His Ile Ala Gly Ile Leu Ala Gly
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<211> 2319

<212> DNA

<213> Streptococcus pneumoniae

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<210> 8
 <211> 773
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Gln	Glu	Asn	Glu	Glu	Ser	Ile	Lys	Glu	Lys	Ser	Ser	Phe	Thr	Ile	Asp	35	40	45	
Arg	Asn	Ile	Ser	Thr	Ile	Arg	Asp	Phe	Glu	Asn	Lys	Asp	Leu	Lys	Lys	50	55	60	
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Glu Glu Glu Asn Lys Pro Thr Phe Asp Val Ser Lys Lys Lys Asp Asn		
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Leu Gln Arg Glu Glu His Ser Gln Lys Ser Asp Ser Thr Lys Asp Val		
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755	760	765
Asn Asn Pro Asn Lys		
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